

Mail Stop Patent Application  
**COMMISSIONER FOR PATENTS**  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Case Docket No. SVL920030080US1  
 November 25, 2003  
 Express Mail Label No. EV326953427US  
 0055.0069

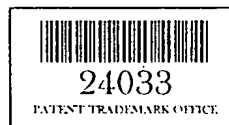
31281 U.S. PTO  
 10/721802



Dear Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Qi Cheng, Mir Hamid Pirahesh, Yang Sun, and Calisto Paul Zuzarte



For: **METHOD, SYSTEM, AND PROGRAM FOR QUERY OPTIMIZATION WITH ALGEBRAIC RULES**

Enclosed are:

- ☒ 7 Sheet(s) of drawings + 0 extra copies;  
 41 pages of Application; 36 pages of specification, 1 page of abstract
- ☒ An assignment of the invention to International Business Machines Corporation. (      Will follow.)
- ☐ An associate power of attorney.
- ☒ Declaration and Power of Attorney. (      Will follow.)
- ☐ Certified copy of Patent Application No. filed from which priority is claimed under 35 U.S.C. §119.
- ☒ IDS; PTO-1449 and 24 references.
- ☒ Formal Drawings; 7 sheets.
- ☒ Return Postcard.

CALCULATION OF FEES							
ITEM		NO. OF CLAIMS FILED MINUS BASE*	NO. OF CLAIMS OVER BASE	X FEE	\$ AMOUNT	\$ FEE	
A	TOTAL CLAIMS FEE	21	- 20* =	1	X \$18	\$18	
B	INDEPENDENT CLAIMS FEE**	3	- 3* =	0	X \$86	\$0	
C	SUBTOTAL - ADDITIONAL CLAIMS FEE (ADD FINAL COLUMN IN LINES A + B)						\$18
D	MULTIPLE-DEPENDENT CLAIMS FEE						

Please charge Dep. Acct. No. 09-0460 in the amount of

**\$828**

**A copy of this sheet is enclosed.**

- ☐ A check in the amount of \$      to cover the filing fee is enclosed.
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  - ☐ The issue fee set in 37 CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).
  - ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,

*Janki K. Davda*  
 Janki K. Davda  
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Express Mail Label No. EV326953427US  
SVL920030080US1  
0055.0069

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for  
Q. Cheng, M.H. Pirahesh, Y. Sun  
and C.P. Zuzarte  
Serial No.: Not Yet Assigned  
Filed: November 25, 2003  
For: **METHOD, SYSTEM, AND  
PROGRAM FOR QUERY OPTIMIZATION  
WITH ALGEBRAIC RULES**

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

CERTIFICATE OF MAILING

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

"Express Mail" Label No. EV326953427US

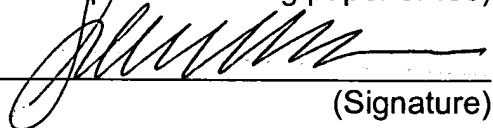
I hereby certify that patent application papers, including specification, claims and 7 sheets of drawings are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

November 25, 2003

(Date of Deposit)

Vanessa Sampson Jackson

(Name of person mailing paper or fee)



(Signature)

<b>TRANSMITTAL FORM</b>	Application Number	Not Yet Assigned
<i>(To be used for all correspondence after initial filing)</i>	Filing Date	
	Inventor	Q. Cheng et al.
	Group Art Unit	Not Yet Assigned
	Examiner Name	Not Yet Assigned
Total Number of Pages in this Submission: 8	Attorney Docket Number	SVL920030080US1


**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits /Declarations <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement; ___ references <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an application) <input checked="" type="checkbox"/> Formal Drawings: <u>7</u> sheets <input type="checkbox"/> Licensing-related papers <input type="checkbox"/> Petition: _____ <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, and/or Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) ___	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group ( <i>Appeal Notice, Brief, Reply Brief</i> ) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Certificate of Correction <input type="checkbox"/> Fee Address Indication Form <input type="checkbox"/> Other Enclosure(s) ( <i>please identify below</i> )
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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual Name:	Janaki K. Davda, Registration No. 40,684
Signature:	<i>Janaki K. Davda</i>
Date:	November 25, 2003
KONRAD RAYNES VICTOR & MANN, LLP 315 South Beverly Drive, Suite 210 Beverly Hills, California 90212 (310) 556-7983	
<input checked="" type="checkbox"/> The Commissioner is authorized to charge any deficiency of fees, or credit any overpayment, to Deposit Account No. 09-0460	

**CERTIFICATE OF MAILING OR TRANSMISSION**

I hereby certify that this Transmittal is being deposited with the United States Postal Service with sufficient postage for express mail in an envelope addressed to Commissioner for Patents, Alexandria, VA 22313-1450, or being facsimile transmitted to the USPTO, on the date indicated below.		
Typed or Printed name:	Vanessa Sampson Jackson	 <b>24033</b> PATENT TRADEMARK OFFICE
Signature:	<i>Vanessa Sampson Jackson</i>	
Date:	November 25, 2003	